



Louis C. Gilde Submarine School, Sub Base Men Sondon, Cons.

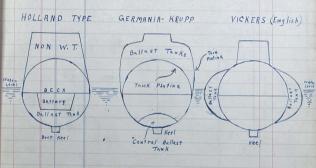
Lake Type. 1- Watertight Superstructure. 2- Hydroplanes for submerged control. 3. The rising agin instead of straight spendle from. 4. The equilibrium control. be single full type.

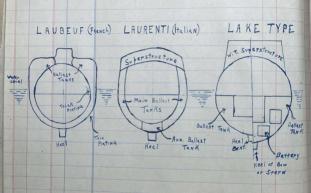
1- now Wratestall superstantine.

3- directed from these to five separate comportments by watertight.

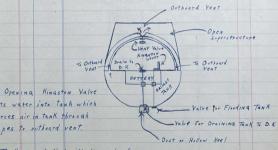
hellheads. Remember that: A surveince or oil of less neight will fort.

Six Prominent Types of Submarines.





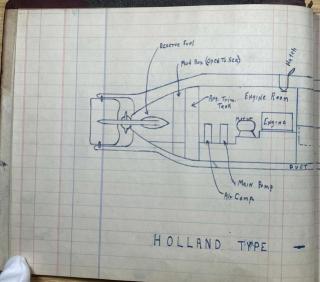
Flooding and Venting Tanks.

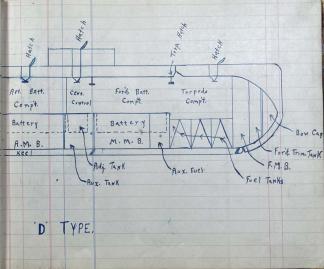


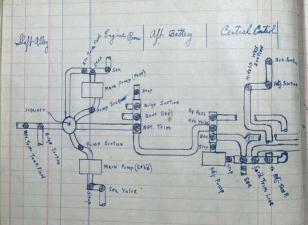
lets water into tank which gorces air in tank through pipes to outboard vent.

Tank cannot flood with Vent closed. " be blown " " Open.

" drain " closed.

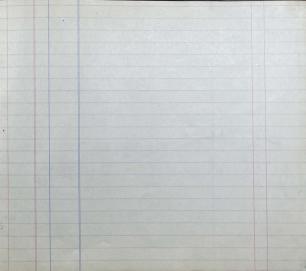




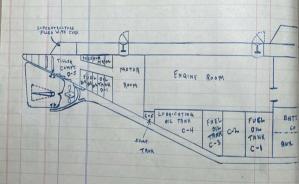


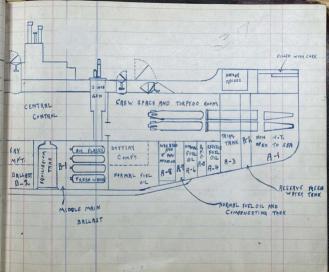
Holland Boats. Find. Battery Topedo Compt.

AIR MANIFOLD - CENTRAL CONTROL COMP'T. H.P. Lines Charging Line To Banks Thru CORNING Tower CONNECTIONS TO Gauges Garge Board Reliet Valre Torpedo Charging Reducer Pipes To Tanks Auto, Blow



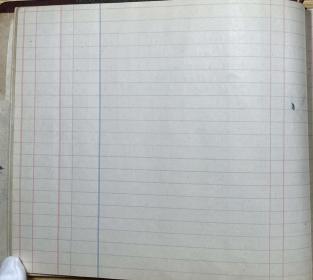
LAKE TYPE





1000					97/15				(NAME)			2013 1	MHRINE	E
	No. IN CLASS SPARFACE SPARFACE SPARFACE THEN STATE THE				AMO E		PEED AND RADIUS		HORSE POWER					
6	CLA	S.E.	69.60	VE	776	EM	SORF	ACE	SUBM	ERGED	74 7ES	RATE	TYPE	
CLASS	Ne. IR	SORFA	SUBME	BOOY ANCY	LENGTH OVER ALL	MOULDED I	FULL	SPEED	I HR.	3 HR. RATE	TO TAL ENGINES	TOTAL MOTOR 3 4R. RI	BORT	
A-27	6	106.55	122 66	12%	63 97	11'10/	8.5	6	7.2	19.5	160	70	HOLLAND	
B-1-3 C-1-5 D-10 E-1-7 E-1-3 G-1-3 H-1-3 K-1-8 L-3-8 N-1-3 N-1-3 N-1-3	4 1 3 4 10	145 240 288 1872 330.7 400 375 393 370.6 358 397 450 451 488 3478 331 570	175 273 337 342.1 400 516 481 452.4 452.4 452.4 452.4 414.3 540 548 547 414.3 548	1270	161	13.16.8.1 13.16.	9.50 7.65 9.50 12.46 17.46 17.46 18.49 11.4 14. 14. 14. 14. 14. 14. 14	750 200 200 200 200 200 200 200 2	8.2 9.5 11.66 11.25 10 10.5 10.5 10.5 10.5	25.5		116 120 140 320 380 400 310 400 340 400 340 400 380	LAKE LOVENTI HOLLAND LAKE SPEAR HOLLAND LAKE	
107-104.	3 15	485 1106 854	1487	14.37, 25.67,	159'9" 269'9" 231"	72.2"	7499 14 70 1899	14 3000 14 3000 11 3000	11.5	1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	4000	380 280 760 740	HOLLAND LAKE SPERR C.+R.	

		100						
OATA .	SHEL	ET.	A CONTRACTOR	A SERVER				
TYPE	STORM	GE	BATTERY	TORPEDO	TW	DEPTH	-	
OF .		NO.	RATED	TOBES	MEN	o F	ORAFT	REMARKS
ENGINE		OF	CAPACITY	BOW HULL	N. W.	HOLL		
		CETTS	8 HR. AATE	BOW BOPERSTR.	-	1215		
	3-W-5	60	The second second	18-#	37	131	10'7"	SINGLE SCREW A A-3 GOULD. A-3-23V OTHERS A3W-S
	le 13 W	60	2800	2 B-#	4 T	15"	10'7"	SINGLE SCREW
2- CRAIGO N C 6 Cylindry		120	2800	\$ 8-₩	47	16'	10'10%"	TWIN SOREW
2 CARIG 4 C. b Cylinder	10	120	2800	4 8-H	47	15'254"	11.8"	100
645	LO 1300	120	2800	4B-H	47		11.8"	BOW RODOERS
		120	3770	4 8-4	47	16. 10%.	12' 2"	F-1-3 NEW ENGINES
	r Pagte	120	3840	2 B-H	27	16' 11.6"	18'6"	GROUND WORLS FORF
G ASOLINE "		120	3840	2 B-H	37	16' 4"	13'7"	DROP KEEL
Bille ne beyt.	Bat .	120	4200-8445	48-5255-28H	4T	16. 4 1/4"		GEOUND WREELS FORB
TRIPITA C. 6 CY L. GAS. PA		164	37776	2 S.H. 2 B.H.	8 T.	15' 12/8"	11'2.6"	-
HELES.		1	3600	4 8-H	87	17' 2,5"	12'5"	-
	10 PRATE		4000 3885.	4 BN.	87	18'3/6"	13'1"	-
" RC. 6Cyl Cool	NT PRETE	120	3HRS.	4 9 M.	87 34 A		13' 7"	
		130	HISO SHAS.	484	87 "	17' 93/6"	13'3"	BUILT AYGOTT. of PORTEMOTE
NELEWIS NEW SOL	PASTE		40.50 3HRS.	4 A N.	87	16'10:4"	11'	-
NELSECO. M.C. PONI	PASTE TE PASTE		3485. 2970	HAM.	873'9.N	17' 1/4"	12'54	-
	DE PASTE		aMRS.	48 M.	87. /mag		12'4"	
NEUSECO YC. 6 CYL. PLAY	NTE PASTA		3135 918 NWH 3885	48 H	8 T. 3 G.			
	ACTAGE . 1	120	9424 RWH "	48 H	8T	18' 31/4"	13'10'4	ASWOAP
4 NEISECO HC. 6CYA GOVE	40 -1	120		48H	16T. 2.3'6		141 1"	-
NEASECO &C. 2-8CYA IRON		120	3 H 26.	48 H	14.T. 21" 3" GON	19' 6"		RETISCIPE - HYDROPEANES FORD & APT.



Inspection of Sulmarines. Station I & 3 his. time for inspection. Forcate many fellact tanks, and state into how many facts maintallast is divided Find out expacities of each man bellast tank. By what means are they blooded System convert the flooding crate whether though a sexcless of direct through the sex rates whether interest or outbough state whee they are; and how to assessme whether tanks are completely flooded.

From where are the tanks flower? These the blow lines as completely as posseble from source to extrance outs tanks. What means are used to proof the main ballact tanks whether reaprocating or voting form to, and how grang. These the course of the vote from nain ballact temps to the pumps and look up the overlovered discharge from the pumps. On looking up the lines, ancertain their approprimate position if you can not see them; but he sure that you can always magnie the course of the water as a continuous whole to the overboard discharge

Station II. Time 5 dec. SECONDARY BALLAST AND TRIM TANKS Freate all trim and secondary ballast tanks and their capacities. How flooded wented and bloom; also traa the lineafor flooding and oventing. The Can these tanks be pumped! Trace the pumping of these tanks overboard What is the pump weed for pumping these tanks called Can you know how the forward trim to adjusting and vice versa! From after time to adjusting and brie varion? Is it hospille to from I from any of the him and according ballest tanks with the man ballest from bo! Station II. TRIMMING LINES. Examine the adjusting manifold and ato be what connections it makes. Trace the triuming line and fall length of the boar and state what temps it serves What mentals do you long on the trimming line besides the adjusting manifold? In the trimbing line out for pumping or bloning through of face oil & Ordele in the councilion made from the triusing line so that fuelful tanks can be looked with water any found the fiel of tente with the adjusting bound forward to of and once value? How many ways carrothe fiel tank had then bit transferred places them on the formal group. In the after grown

Is there apparate system for the feel tanks whereby they may be filled and blow though? It this are continuous obsten for the full tank forward and all, or work necessary to use the trumming live for transferring only from the lavard part of the foat, and once very!

Station II. 5 hrs.

THE COMPRESSED AIR SYSTEM Where is the high pressure air stored, in how many banks and at what pressure? Trace the main high pressure air lines, State four the main air line receives its air from the air fants. Assuming that the air line is open to an air lank trace the course of the air to the air manifold stating what changes of pressure it mitinges and what means are used to reduce the pressure of the Orhar is the automatic flow and what tauks does it serve for pup how the automatic flow rather receives also are for blowny; also the line wheely the an reaches the tanks can ree tend only be blown with the automatic blow?

HAND PUMPS. CONNING TOWER.

Where are the hand from located 3 Out of or but lanks can they take a section and have they independent ouction lines to these tanks, also can they take a suction from the tinning line. Where is the discharge overlosed to the hand bumps? How is the coming tower fitted up as an escape look in case of energency.

Couthe outhard hatch of the tone be spend or closed from the interior of the body and where to the mechanism for this purpose citizates, When used as an except last to where loss the water brain out of the tower Station II. MISCELLANEOUS. State what kind of satmagne signaling abbacating is used whether submarine fellow oscillator. When are these interest I Sommarine bell, explain four operated. How many beinespen and what to be strong whether a walk around to give and what make I the ir a housing to give the boat. So it possible to put an air presonne .
on any competencer from the central control station? ORDNANCE. Sind out how the surgeles of the torpedo tules may be spened for discharge of topedo. What is the interlooking sear for explain briefly it oberation. How way the topedo tiles be flooded! I wate the west and flow lines to the tubes, of see the in how some to take for fine topedoes. What pressure is maintained in the abordion tank when bring & Othy is the expelsion air outen on the 200 lb. line! If there any diffesher liveright when the title me bladed

with take may les from to see in the tube ready for fring with take may les from to see. What precaution much be taken when a taket or in a take?

